

| | Type | L # | Hits | Search Text | DBs | Time Stamp |
|----|------|-----|-------|---|--|---------------------|
| 1 | BRS | L1 | 2 | (dual adj3 purpose) same (electrochemical\$3) same (oxide or oxides) same (conductive) | USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B | 2002/10/01 14:59 |
| 2 | BRS | L2 | 549 | (electrochemical\$3) same (reduc\$3) same (oxide\$3) same (conduct\$7) | USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B | 2002/10/01 15:05 |
| 3 | BRS | L3 | 62 | 2 and (interconnect or interconnects) | USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B | 2002/10/01 15:06 |
| 4 | BRS | L4 | 11908 | (dual adj3 (purpose or purposes)) | USPAT | 2002/10/01 16:11 |
| 5 | BRS | L5 | 3 | 4 same (electrochemically) | USPAT | 2002/10/01 16:12 |
| 6 | BRS | L7 | 44 | (electro adj3 chemical\$3) same reduc\$3 same oxide\$3 | USPAT | 2002/10/01 16:16 |
| 7 | BRS | L10 | 19 | 7 and copper | USPAT | 2002/10/01 16:17 |
| 8 | BRS | L11 | 62 | (dual adj3 purpose) adj3 (layer or layers or film or films) | USPAT | 2002/10/01 16:25 |
| 9 | BRS | L12 | 9 | 11 and (tungsten) | USPAT | 2002/10/01 16:25 |
| 10 | BRS | L13 | 21 | (dual adj3 purpose) same tungsten | USPAT | 2002/10/01 16:30 |
| 11 | BRS | L14 | 5 | 13 and (interconnect or interconnects) | USPAT | 2002/10/01 16:57 |
| 12 | BRS | L15 | 0 | dual same tungsten same (interconnect or interconnects) same (electrochemical\$3) | USPAT | 2002/10/01 16:58 |

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|----|------|-----|------|--|--|---------------------|
| 13 | IS&R | L17 | 1 | ("6261954").PN. | USPAT | 2002/10/01 17:35 |
| 14 | BRS | L18 | 20 | 16 and (electrochemical\$3) | USPAT | 2002/10/01 17:40 |
| 15 | BRS | L19 | 154 | dual same tungsten same (interconnect or interconnects) | USPAT | 2002/10/01 17:40 |
| 16 | BRS | L20 | 154 | dual same tungsten same (interconnect or interconnects) | USPAT | 2002/10/01 17:41 |
| 17 | BRS | L21 | 5 | 20 and (electrochemically) | USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B | 2002/10/01 17:42 |
| 18 | BRS | L22 | 519 | (electrochemically) same (reduce or reduced or reducing) same (oxide or oxides) | USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B | 2002/10/01 17:47 |
| 19 | BRS | L23 | 232 | 22 and (tungsten or W) | USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B | 2002/10/01 17:47 |
| 20 | BRS | L24 | 37 | 22 same (tungsten or W) | USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B | 2002/10/01 17:50 |

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|----|------|-----|------|--|--|---------------------|
| 21 | BRS | L25 | 10 | 24 same (surface or surfaces) | USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B | 2002/10/01 17:55 |
| 22 | BRS | L26 | 3 | (electrochemical\$10) same (reduce or reduced or reducing) same (oxide or oxides) same (surface or surfaces) same dual | USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B | 2002/10/01 17:57 |
| 23 | BRS | L27 | 624 | (electrochemical\$10) same (reduce or reduced or reducing) same (oxide or oxides) same (surface or surfaces) | USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B | 2002/10/01 18:06 |
| 24 | BRS | L28 | 0 | (electrochem\$10) adj10 (oxide or oxides) adj10 (surface or surfaces) adj10 (tungsten or W) | USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B | 2002/10/01 18:07 |
| 25 | BRS | L29 | 252 | (electrochem\$10) adj10 (oxide or oxides) adj10 (surface or surfaces) | USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B | 2002/10/01 18:07 |

| | Type | L # | Hits | Search Text | DBs | Time Stamp |
|----|------|-----|------|--|--|---------------------|
| 26 | BRS | L30 | 0 | 29 and (barrier adj10 tungsten) | USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B | 2002/10/01 18:08 |
| 27 | BRS | L31 | 36 | 29 and tungsten | USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B | 2002/10/01 18:08 |
| 28 | BRS | L32 | 467 | (voltage or voltages) same (electrochemically or electrochemical) same reducing | USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B | 2002/10/01 18:14 |
| 29 | BRS | L33 | 1 | 32 and ((barrier adj10 (tungsten or W))) | USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B | 2002/10/01 18:13 |
| 30 | BRS | L34 | 153 | 32 and (tungsten or W) | USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B | 2002/10/01 18:14 |

| | Type | L # | Hits | Search Text | DBs | Time Stamp |
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| 1 | BRS | L1 | 2 | (dual adj3 purpose) same (electrochemical\$3) same (oxide or oxides) same (conductive) | USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B | 2002/10/01 14:59 |
| 2 | BRS | L2 | 549 | (electrochemical\$3) same (reduc\$3) same (oxide\$3) same (conduct\$7) | USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B | 2002/10/01 15:05 |
| 3 | BRS | L3 | 62 | 2 and (interconnect or interconnects) | USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B | 2002/10/01 15:06 |
| 4 | BRS | L4 | 11908 | (dual adj3 (purpose or purposes)) | USPAT | 2002/10/01 16:11 |
| 5 | BRS | L5 | 3 | 4 same (electrochemically) | USPAT | 2002/10/01 16:12 |
| 6 | BRS | L7 | 44 | (electro adj3 chemical\$3) same reduc\$3 same oxide\$3 | USPAT | 2002/10/01 16:16 |
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| 7 | BRS | L10 | 19 | 7 and copper | USPAT | 2002/10/01 16:17 |
| 8 | BRS | L11 | 62 | (dual adj3 purpose) adj3 (layer or layers or film or films) | USPAT | 2002/10/01 16:25 |
| 9 | BRS | L12 | 9 | 11 and (tungsten) | USPAT | 2002/10/01 16:25 |

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| 1 | BRS | L1 | 2 | (dual adj3 purpose) same (electrochemical\$3) same (oxide or oxides) same (conductive) | USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B | 2002/10/01 14:59 |
| 2 | BRS | L2 | 549 | (electrochemical\$3) same (reduc\$3) same (oxide\$3) same (conduct\$7) | USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B | 2002/10/01 15:05 |
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| 16 | BRS | L20 | 154 | dual same tungsten same (interconnect or interconnects) | USPAT | 2002/10/01 17:41 |
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| 22 | BRS | L26 | 3 | (electrochemical\$10) same (reduce or reduced or reducing) same (oxide or oxides) same (surface or surfaces) same dual | USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B | 2002/10/01 17:57 |
| 23 | BRS | L27 | 624 | (electrochemical\$10) same (reduce or reduced or reducing) same (oxide or oxides) same (surface or surfaces) | USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B | 2002/10/01 18:06 |
| 24 | BRS | L28 | 0 | (electrochem\$10) adj10 (oxide or oxides) adj10 (surface or surfaces) adj10 (tungsten or W) | USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B | 2002/10/01 18:07 |
| 25 | BRS | L29 | 252 | (electrochem\$10) adj10 (oxide or oxides) adj10 (surface or surfaces) | USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B | 2002/10/01 18:07 |

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| | Type | Hits | Search Text |
|---|------|------|--|
| 1 | BRS | 41 | (dual adj3 purpose) adj3 layer |
| 2 | BRS | 5 | ((dual adj3 purpose) adj3 layer) and (electrochemical or electrochemically) |
| 3 | BRS | 1 | ((dual adj3 purpose) adj3 layer) same (tungsten or (tungsten adj nitride) or (tungsten adj3 silicon adj3 nitride)) |

| | DBs | Time Stamp |
|---|---|------------------|
| | USPAT; US-PGPUB; | |
| 1 | EPO; JPO; DERWENT; IBM_TDB | 2002/10/01 11:43 |
| 2 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/10/01 11:43 |
| 3 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/10/01 11:46 |

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